

## IN THE CLAIMS

Please amend the claims as follows:

1. (currently amended) A method for producing a quartz glass blank, **said method** comprising: a method step in which SiO<sub>2</sub> particles are produced by ~~[means of]~~ a row of deposition burners and deposited on a cylinder outer surface of a carrier rotating about a ~~[the]~~ longitudinal axis thereof to form a cylindrical porous SiO<sub>2</sub> soot body, ~~[the surface temperature of the forming soot body being altered by means of]~~ a temperature adjustment body **altering a surface temperature of the soot body as it is being formed**, ~~[characterized in that]~~ **wherein** the temperature adjustment body **comprises** ~~[is used in the form of]~~ a planar element ~~[(13; 31)]~~ extending along a substantial part of the SiO<sub>2</sub> soot body ~~[(2)]~~, which either **acts** as a homogeneous heat sink **and** has a temperature-shielding effect on the soot body surface ~~[(10)]~~ or, **acts** as a homogeneous reflector, **and has** a temperature-raising effect due to heat radiation.
2. (currently amended) The method according to claim 1, ~~[characterized in that]~~ **wherein** **said** ~~[a]~~ planar element ~~[(31) is used that]~~ is formed by an inner wall of a housing ~~[(30)]~~ surrounding the SiO<sub>2</sub> soot body~~[(2)]~~.
3. (currently amended) The method according to claim 1 ~~[or 2]~~, ~~[characterized in that]~~ **wherein** the planar element ~~[(13; 31)]~~ acts as a reflector with a reflectance for IR radiation between 80% and 100%.
4. (currently amended) The method according to claim 3, ~~[characterized in that]~~ **wherein** heat of the deposition burners ~~[(5)]~~ is reflected towards the soot body ~~[(2)]~~ by means of the planar element ~~[(31)]~~.
5. (currently amended) The method according to claim 3, ~~[characterized in that]~~ **wherein** heat of the forming SiO<sub>2</sub> soot body ~~[(2)]~~ is reflected by means of the planar element ~~[(13)]~~ towards the soot body surface ~~[(10)]~~.

6. (currently amended) The method according to claim 1 [~~any one of the preceding claims~~], [~~characterized in that~~] wherein the planar element has an efficiency, defined as a [~~the~~] solid angle covering the forming SiO<sub>2</sub> soot body, of at least 60%.
7. (currently amended) The method according to claim 1 [~~or 2~~], [~~characterized in that~~] wherein the planar element acts as a heat sink absorbing IR radiation.
8. (currently amended) The method according to claim 7, [~~characterized in that~~] wherein the [~~a~~] planar element [~~is used that~~] has a roughened surface having a mean surface roughness R<sub>a</sub> of at least 10 μm.
9. (currently amended) The method according to claim 7 [~~or 8~~], [~~characterized in that~~] wherein the [~~a~~] planar element [~~is used that~~] has a blackened surface.
10. (currently amended) The method according to claim 7 [~~any one of claims 7 to 9~~], [~~characterized in that~~] wherein the planar element is cooled.
11. (currently amended) The method according to claim 3 [~~1 and any one of claims 3 to 10~~], [~~characterized in that~~] wherein the planar element is moved along the soot body [~~(2)~~].
12. (currently amended) The method according to claim 3 [~~1 and any one of claims 3 to 11~~], [~~characterized in that~~] wherein the distance between the planar element [~~(13)~~] and the surface [~~(10)~~] of the forming SiO<sub>2</sub> soot body [~~(2)~~] is kept constant.
13. (currently amended) The method according to claim 1 [~~any one of the preceding claims~~], [~~characterized in that~~] wherein the planar element [~~(13; 31)~~] extends over the whole usable length of the soot body [~~(2)~~].

14. (currently amended) A device for carrying out the method according to claim 1 [~~any one of the preceding claims~~], said device comprising: a row of deposition burners for producing SiO<sub>2</sub> particles, a carrier which is rotatable about the longitudinal axis thereof and having a [~~on the~~] cylinder outer surface on [~~of~~] which the produced SiO<sub>2</sub> particles are deposited to form a cylindrical porous SiO<sub>2</sub> soot body, and [~~comprising~~] at least one temperature adjustment body that [~~which~~] is [~~arranged~~] supported in an [~~the~~] area of the forming soot body and that [~~which~~] acts on a [~~the~~] surface temperature of the forming soot body for altering an axial density profile, [~~characterized in that~~] wherein the temperature adjustment body comprises a planar element [~~(13; 31) which that~~] acts as a homogeneous heat sink or as a homogeneous reflector and that [~~which~~] extends along a substantial part of the SiO<sub>2</sub> soot body [~~(2)~~] and has a predetermined reflectance for IR radiation.
15. (currently amended) The device according to claim 14, [~~characterized in that~~] wherein the planar element [~~(31)~~] is formed by an inner wall of a housing [~~(30)~~] surrounding the SiO<sub>2</sub> soot body [~~(2)~~].
16. (currently amended) The device according to claim 14 [~~or 15~~], [~~characterized in that~~] wherein the planar element [~~(13; 31) for IR radiation~~] has a reflectance between 80% and 100% for IR radiation.
17. (currently amended) The device according to claim 16, [~~characterized in that~~] wherein the planar element [~~(13; 31)~~] has a concave curvature [~~(7; 33)~~].
18. (currently amended) The device according to claim 16 [~~or 17~~], [~~characterized in that~~] wherein the concave curvature [~~(33)~~] has a focal point [~~(34)~~] which is located in an [~~the~~] area of the row of deposition burners [~~(5)~~].

19. (currently amended) The device according to claim 16 [~~to 17~~], [~~characterized in that~~ wherein the concave curvature [~~(7)~~] comprises a focal point [~~(14)~~] which is located in the area of the forming SiO<sub>2</sub> soot body [~~(2)~~].
20. (currently amended) The device according to claim 14 [~~any one of claims 14 to 19~~], [~~characterized in that~~ wherein the planar element comprises a surface absorbing IR radiation.
21. (currently amended) The device according to claim 20, [~~characterized in that~~ wherein the planar element is roughened and has a mean surface roughness R<sub>a</sub> of at least 10 µm.
22. (currently amended) The device according to claim 20 [~~or 21~~], [~~characterized in that~~ wherein the planar element has a blackened surface.
23. (currently amended) The device according to claim 20 [~~any one of claims 20 to 22~~], [~~characterized in that~~ wherein the planar element is provided with a cooling device.
24. (currently amended) The device according to claim [~~14 and any one of claims~~] 16 [~~to 23~~], [~~characterized in that~~ wherein the planar element is supported for movement [~~made movable~~] along the soot body.
25. (currently amended) The device according to claim [~~14 and any one of claims~~] 16 [~~to 24~~], [~~characterized in that~~ wherein the planar element [~~(13)~~] is made displaceable in a direction perpendicular to the longitudinal axis [~~(3)~~] of the carrier.
26. (currently amended) The device according to claim 14 [~~any one of the preceding claims 14 to 25~~], [~~characterized in that~~ wherein the planar element [~~(13; 31)~~] extends over the whole usable length of the soot body [~~(2)~~].